

6



OIEP

RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/015,219

TIME: 08:55:08

Input Set : A:\493c1.app.txt

Output Set: N:\CRF3\04082002\J015219.raw

P.S

ENTERED

4 <110> APPLICANT: Algate, Paul A.
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
7 AND DIAGNOSIS OF OVARIAN CANCER
10 <130> FILE REFERENCE: 210121.493C1
12 <140> CURRENT APPLICATION NUMBER: US 10/015,219
13 <141> CURRENT FILING DATE: 2002-03-02
15 <160> NUMBER OF SEQ ID NOS: 1739
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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20 <211> LENGTH: 264
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
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26 ctgatatccg ggactttttc cctttcacct tccattatag gatgatgcag caagaaggcc 120
27 ctaccagat accagtcctt tgatcttgga ctaccaggc ttcagaacta taagaaataa 180
28 atctccgttc tttgaggatt acccagtttg tgctattctg ttatggcagc acaaaatgga 240
29 ctaagacata ggtccaatct aagg 264
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33 <212> TYPE: DNA
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37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: 9, 10, 494, 534
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43 cattttgagc aatggggaac gctcacggac tgtgtggtta tgagagatcc aaacaccaag 120
44 cgctccaggg gctttgggtt tgtcacatat gccactgttg aggaggtgga tgcagctatg 180
45 aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
46 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
47 aaagaagaca ctgaagaaca tcacctaa gattattttg aacagtatgg aaaaattgaa 360
48 gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
49 tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
50 cctgccccgc cggncaaagg cgaaattcaa cacactttgg cggcggttacc taanggatcc 540
51 caacttcggt 550
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 434
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 3
59 aaatttatga aactttcgaa cagtagcaac tgaaatttgt cacttttctg ttacgcagag 60

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60 aatcagacct ttgataata tttgggaggg taaaagaaat atgccaaata tgaaaccttt 120
61 ttgtcagcac tacatacatc ttttttttgc ggggggcggg ggggacagag tctcactgtg 180
62 tcaactcagac tggagtacag tgatgcgatac tcggctcact gcaacctccg cctcctgggt 240
63 tcaagcgatt ctcctgcttc agcctcctga gtagctggga ttacaggtgc acaccaccac 300
64 gcccggtctaa tttttgtatt tttagtagag atgggggttc accatgttgg tcaggctggg 360
65 cttgaactcc tgacctcgtt cctgccttag cctcctaaag tgccgggatt acaggcgtga 420
66 accaccgcac ctgg                                     434
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69 <211> LENGTH: 381
70 <212> TYPE: DNA
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73 <400> SEQUENCE: 4
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75 gccccaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggtaagg 120
76 aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
77 ggcccttccc tgccctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
78 ccattatttc tgcatatcag acatttagta ctttactaa tttgctcctg ctatctaaaa 300
79 ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
80 acagcatcac agggagacag g                                     381
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 422
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 5
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89 ggcctgccat gcttaaaata ttaactctct ggccctttaa gaaaaaaacg tgctgacccc 120
90 tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
91 cttgtcccgg ggcagtaggc atctccgtca aaactcttgt ccttggtctg tggtaacttt 240
92 ctcagctccc caacccatgt cctcaaagt cccctcccta tagggcaaga acccagcaac 300
93 ttcgctctgc cccgactcta ggcgggatgt agctcatttt gggatacag tctccatcgt 360
94 ggagcctggc ttcttccgaa cccctgtgac caacctggag agtctggaga aaacctgca 420
95 gg                                     422
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98 <211> LENGTH: 261
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103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: 148, 180
105 <223> OTHER INFORMATION: n = A,T,C or G
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109 tctgtcttgt tgcaaagcca gcacagcaag cagcctccgc attagttcca tagcttgact 120
110 ggcttctaa atgggcat tcaagatnca gaaatctcaa agcatccct ctttgggctn 180
111 catcatccaa gggtgagaaa cagcagagcc taagtgaaga gtctgagtca acaccttggc 240
112 tcagttttca aaatgaattt t                                     261
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 428
116 <212> TYPE: DNA

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121 ctaaaaaacg caacaatcag atacggaaga cctcttatgc tcagcaccaa caggctccgcc 120
122 aaatccggaa gaaagatgat ggaaatcatg acccgagagg tgcagacaaa tgacttgaaa 180
123 gaagtgggtca ataaattgat tccagacagc attggaaaag acatagaaaa ggcttgccaa 240
124 tctattttatc ctctccatga tgtcttcgtt agaaaagtaa aaatgctgaa gaagcccaag 300
125 tttgaattgg gaaagctcat ggagcttcat ggtgaaggca gtagttctgg aaaagccact 360
126 ggggacgaga cagggtgctaa agttgaacga gctgatggat atgaaccacc agtccaagaa 420
127 atctgttt 428
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 305
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 8
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136 gttgctgtct cgcttggag aaatcgctga ggaaggctca gagactcagg tcccaggact 120
137 ggacatatct tgcactcctg ccctctgact tcagccgcta cttccaatat gaggggtctc 180
138 tgactacacc gccctgtgcc cagggtgtca tctggactgt gtttaaccag acagtgatgc 240
139 tgagtgtctaa gcagctccac accctctctg acaccctgtg gggacctggt gactctcggc 300
140 tacag 305
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 344
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 9
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149 gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
150 tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
151 caacaggaat gaggaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
152 actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
153 ttttctttct tgctttcatt ttaattagtc caaaattaag tttt 344
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 377
157 <212> TYPE: DNA
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 10
161 aaaaccttta gcatttctgc ctataatatt tgggttttct tcttttctta tctttatttg 60
162 ataagtccca tcaaatattt tcccataat cacaatgttt tcttttctact ttgctcaaga 120
163 actgagttat gagctccaaa atttgacaa actctacatt ggctaagttt tagtcatttg 180
164 cactgctaag aaagatgaca attcagcatg ctgaagatga cttcctccct tataaagggg 240
165 ctaacacaga gggcaatact gttcatgctt ctgattcttg atcacaagaa ttgctttagg 300
166 caattacaat catgtctcct ctgacacatc atattattca agtgagacag agaaagaaga 360
167 tgtcctatgt cacacag 377
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 381
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 11

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176 gcccacaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggttaagg 120
177 aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
178 ggcccttccc tgccctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
179 ccattatttc tgcatatcag acatttagta ctttactaa tttgtctctg ctatctaaaa 300
180 ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccaactgaagc 360
181 acagcatcac agggagacag g                                     381
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186 <213> ORGANISM: Homo sapiens
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189 cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
190 gggccaagtg ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
191 caagatcctg agtggcatgc gaagccaata tgaggtcagt gccgagcaga accggaagga 180
192 tgctgaagcc tggttcacca gccggactga agaattgaa                                     219
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195 <211> LENGTH: 355
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197 <213> ORGANISM: Homo sapiens
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: 344, 348
202 <223> OTHER INFORMATION: n = A,T,C or G
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206 tgattattta catttttagta attggacaat cccggctcag gaggagggtg caagaatctg 120
207 caaagatttg agggagcgcc ccaggagaac aaacagcaag ccttatttcc cctagcccat 180
208 cccccaaaaa accatccatc ccatcctagt gtctgggtgt gtccggtgtg gtccatcttc 240
209 cattccttcc caaattatgg aagtaagggt cttctcacca gaataagagc acttgggata 300
210 acagagtagg gtcccctcac ccaaaaaaaaa aaaaaaaaaa aaancttngg ggaaa 355
212 <210> SEQ ID NO: 14
213 <211> LENGTH: 658
214 <212> TYPE: DNA
215 <213> ORGANISM: Homo sapiens
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: 467, 527, 550, 579, 583, 600, 608, 616, 623, 625, 640, 655
220 <223> OTHER INFORMATION: n = A,T,C or G
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224 aatggacata ctgaagaaa gaatagacag tctagaagat caaattgaag aattctctaa 120
225 ggatacaatg caaatgacca aacagataat tagtaaagaa aggcaaagag atatatagga 180
226 gagatctaga agttgcaaca ttcgtttgat aggaattcca gaaaaggaga gttatgagaa 240
227 tagggcagag gacataatta aagaaataat tgatgaaaac tttgcagaac taaagaaagg 300
228 ttcaagtctt gagattgtca gtgcttgctg agtacctagt aaaattgatg aaaagagact 360
229 gactoctaga cacatcttgg tgaaattttg gaattctagt gataaagaga aaataataag 420
230 ggcttctaga gagagaagag aaattaccta ccaaggaaca agaatcnggt tgacagcaga 480
231 cttatcctgg acacactgga tgctagaagt aaatgggagc caatgtnttc aaaggtcttg 540

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W--> 232 cttggaaaan ggcttttaaat cctagaatct tttttccanc canattgcct tttgatttan 600
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 236 <211> LENGTH: 713
 237 <212> TYPE: DNA
 238 <213> ORGANISM: Homo sapiens
 240 <220> FEATURE:
 241 <221> NAME/KEY: misc_feature
 242 <222> LOCATION: 505, 521, 546, 560, 563, 575, 594, 596, 626, 639, 689, 691
 243 <223> OTHER INFORMATION: n = A,T,C or G
 245 <400> SEQUENCE: 15
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 247 gacttacaaa tgggccaaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120
 248 gagatacaaa gaaagtaact ctccctotta tgaaaagcaa ccaggaactc tactccagtt 180
 249 atgagggccca ctgatggtgt gggagagcta tcaagaagat tcttctaga cgtggtgcaa 240
 250 agacagttag aaccacaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300
 251 ctattctatc tcaacttttg ccccatcaaa tctaatagata aacaaaagaa ggtaattaca 360
 252 tgtagaaaat caaagtgaat ggggaatgtg tgggtgtgaac ataaaagaag aaattgaaaa 420
 253 caatcaaaag tttctcagtg ctgctttccc gcactgtcat agaaatctct gatccaattc 480
 W--> 254 ttcatatgtc taacttccaa ggaancgggc taacagcaca nacataggat ccaaggcatt 540
 W--> 255 cttggngcgg aaaattaagn gngngggccc ctttngaag gggactgcaa ccahanggct 600
 W--> 256 gggaaatcct tatactcccc tcccgncggg ggctaattnc cattggtgaa acaatggttg 660
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 265 <221> NAME/KEY: misc_feature
 266 <222> LOCATION: 539, 551, 560, 563, 593, 601
 267 <223> OTHER INFORMATION: n = A,T,C or G
 269 <400> SEQUENCE: 16
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 271 tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaata gttttcttcc 120
 272 caactatcat tcccatgggc ccaataaat tttagaatct agtcccatcc ctttctaga 180
 273 caagctgctg tcaacaatct ccaagagaca aagtaagatt ggaagttaa ggacacgcac 240
 274 acaagacata tatataaaat tctctgaatg tgcaataaaa gaagtacttt gtaaaaagtt 300
 275 atgggcaaaa tgtacaaggg cctaaacctg gactaattga aatagcacca taacaaatga 360
 276 cctcaatact gtcaagtga cctacttaat aaaagtttta gaacaaggca caatacactt 420
 277 gaaaatctat tgcacttttag gaaatttttg ccgtcttct atgccactgt aaaaagatgg 480
 W--> 278 agcgttttga taccgcatt ctggacctcg ggccgcgacc cagcctaagg gcgaaattnc 540
 W--> 279 agcaccctt ngcgggcccgn ttcttagtgg gatcccaact cggtaaccaa acnttggcgt 600
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 283 <211> LENGTH: 733
 284 <212> TYPE: DNA
 285 <213> ORGANISM: Homo sapiens
 287 <220> FEATURE:
 288 <221> NAME/KEY: misc_feature

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

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L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

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L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

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L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21

L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21

L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22

L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25

L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26

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L:554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33

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L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35

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L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39

L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41